



Revision Date: 02/08/2006

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: MX RES ULTRA HTWC BULK
Product type: Epoxy Resin
Company address:
 Henkel Corporation
 One Henkel Way
 Rocky Hill, Connecticut 06067

Item No. : 10336000 / IDH No. 653389
Region: United States
Contact Information:
 Telephone: (860) 571-5100
 Emergency telephone: (860) 571-5100
 Internet: www.henkelna.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Aluminum oxide 1344-28-1	30-60	10 mg/m³ TWA particulate matter containing no asbestos and < 1% crystalline silica None	15 mg/m³ TWA total dust 5 mg/m³ TWA respirable fraction	None
Oxiranemethanamine N,N'-(methylenedi-4,1-phenylene)bis(N-oxiranylmethyl) 28768-32-3	10-30	None	None	None
Silicon carbide 409-21-2	5-10	0.1 fiber/cm³ TWA fibrous (including whiskers), respirable fibers: length > 5 µm, aspect ratio equal to or greater than 3:1, as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination. 10 mg/m³ TWA nonfibrous, inhalable fraction, particulate matter containing no asbestos and < 1% crystalline silica 3 mg/m³ TWA nonfibrous, respirable fraction, particulate matter containing no asbestos and < 1% crystalline silica None	15 mg/m³ TWA total dust 5 mg/m³ TWA respirable fraction	None
Neopentyl glycol diglycidyl ether 17557-23-2	1-5	None	None	None
Silica, amorphous (fumed) 7631-86-9	1-5	6 mg/m³ TWA	10 mg/m³ TWA	3 mg/m³ TWA respirable dust
Magnesium oxide 1309-48-4	1-5	10 mg/m³ TWA inhalable fraction	15 mg/m³ TWA total particulate	None
Treated fumed silica 67762-90-7	1-5	10mg/m³ Inhalable fraction, 3mg/m³ Respirable fraction, TWA 1 mg/m³ TWA as Fe 5 mg/m³ TWA dust and fume, as Fe	5mg/m³ Respirable dust, 15mg/m³ Total dust	None
Iron oxide 1309-37-1	1-5		10 mg/m³ TWA	None

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Product name: MX RES ULTRA HTWC BULK

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Paste
Color: Red
Odor: Nondescript

HMIS:

HEALTH:
FLAMMABILITY:
PHYSICAL HAZARD:
Personal Protection:

2*
1
0
See Section 8

WARNING: MAY CAUSE ALLERGIC SKIN REACTION.
CAUSES EYE IRRITATION.
MAY BE HARMFUL IF SWALLOWED.
MAY CAUSE RESPIRATORY TRACT IRRITATION.
MAY CAUSE SKIN IRRITATION.

Relevant routes of exposure: Eyes, Skin, Inhalation, Ingestion

Potential Health Effects

Inhalation: May cause respiratory tract irritation.
Skin contact: Allergic skin reaction. Itching. Rash. Mild skin irritation. Redness. Prolonged contact with skin may cause dermatitis.
Eye contact: Severe eye irritation. May cause eye injury. Blurred vision. Excess tearing. Pain and discomfort.
Ingestion: May be harmful if swallowed. Moderately toxic by ingestion. Ingestion may cause stomach ache and vomiting. Nausea.

Existing conditions aggravated by exposure: Respiratory disorders. Skin disorders. Eye disorders. Eczema. Pre-existing skin or lung allergies may increase the chance of developing exaggerated allergic symptoms from exposure to this product.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If discomfort persists seek medical attention.

Skin contact: Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Ingestion: DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Notes to physician: None.

5. FIRE-FIGHTING MEASURES

Flash point: 93°C (200°F) Pensky Martens closed cup

Autoignition temperature: Not available

Flammable/Explosive limits-lower %: Not available

Flammable/Explosive limits-upper %: Not available

Extinguishing media: Water spray (fog), foam, dry chemical or carbon dioxide.

Special fire fighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Use water spray to keep fire exposed containers cool. Caution should be exercised when using water or foam as frothing may occur.

Unusual fire or explosion hazards: Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.

Hazardous combustion products: Oxides of nitrogen. Oxides of carbon. Aldehydes. Acids. Toxic fumes. Phenolics. Ammonia.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent product from entering the drains.
Clean-up methods:	Immediately contact emergency personnel. Remove all ignition sources. Keep unnecessary personnel away.

7. HANDLING AND STORAGE

Handling:	Do not swallow. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage:	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Store at or below 4.4°C (40°F).
Incompatible products:	Not available

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Not normally needed. Use local exhaust ventilation if the potential for airborne exposure exists.
Respiratory protection:	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
Skin protection:	Chemical resistant, impermeable gloves.
Eye/face protection:	Chemical splash goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Paste
Color:	Red
Odor:	Nondescript
Vapor pressure:	Not available
pH:	Not applicable
Boiling point/range:	Not available
Melting point/range:	Not available
Specific gravity:	2.157
Vapor density:	Greater than 1 (air equals 1)
Evaporation rate:	Slower than butyl acetate
Solubility in water:	Insoluble
Partition coefficient (n-octanol/water):	Not available
VOC content:	<1.0%; <10 grams/liter (value for resin and hardener together) (estimated)

10. STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous polymerization:	May occur.
Hazardous decomposition products:	None
Incompatibility:	Acids. Alkalis. Strong oxidizers. Strong acids. Amines. Mercaptans.
Conditions to avoid:	None known.

11. TOXICOLOGICAL INFORMATION

Product toxicity data:	Not available
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Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Aluminum oxide 1344-28-1	No	No	No
Oxiranemethanamine N,N' - (methylenedi-4,1-phenylene)bis(N- (oxiranylmethyl) 28768-32-3	No	No	No
Silicon carbide 409-21-2	No	No	No
Neopentyl glycol diglycidyl ether 17557-23-2	No	No	No
Silica, amorphous (fumed) 7631-86-9	No	No	No
Magnesium oxide 1309-48-4	No	No	No
Treated fumed silica 67762-90-7	No	No	No
Iron oxide 1309-37-1	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Aluminum oxide 1344-28-1	Corrosive, Irritant, Nuisance dust
Oxiranemethanamine N,N' - (methylenedi-4,1-phenylene)bis(N- (oxiranylmethyl) 28768-32-3	Allergen, Blood, Central nervous system, Gastrointestinal, Irritant, Kidney, Liver, Nervous System, Mutagen
Silicon carbide 409-21-2	Nuisance dust
Neopentyl glycol diglycidyl ether 17557-23-2	Allergen, Irritant, Blood, Immune system, Bone Marrow, Reproductive
Silica, amorphous (fumed) 7631-86-9	Nuisance dust
Magnesium oxide 1309-48-4	Blood, Central nervous system, Immune system, Irritant
Treated fumed silica 67762-90-7	Irritant
Iron oxide 1309-37-1	Lung, Liver, Kidney, Irritant, Central nervous system, Cardiac, Allergen

12. ECOLOGICAL INFORMATION

Ecological information: Not known

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose according to EPA and local governmental regulations.

EPA hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR):

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

WaterTransportation (IMO/IMDG):

Proper shipping name: Not regulated
Hazard class or division: None

Item No. : 10336000 / IDH No. 653389

Product name: MX RES ULTRA HTWC BULK

Identification number:	None
Packing group:	None
Marine pollutant:	None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification:	None.

CERCLA/SARA Section 302 EHS:	None above reporting de minimus.
CERCLA/SARA Section 311/312:	Immediate Health Hazard, Delayed Health Hazard
CERCLA/SARA 313:	None above reporting de minimus.

California Proposition 65:	This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.
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Canada Regulatory Information

CEPA DSL/NDSL Status:	All components are listed on or are exempt from listing on the Domestic Substances List.
WHMIS hazard class:	D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 9

Prepared by:	Regulatory Affairs
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